

DERWENT-ACC-NO: 1998-167215

DERWENT-WEEK: 199815

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TITLE: New hybrid polypeptide 1106 - used for
determination of antibodies to HIV-1, useful in diagnosis of
AIDS

INVENTOR: ALATORTSEVA, G I; GOLTISOV, V A ; SUKHANOVA, L L

PATENT-ASSIGNEE: BIOSERVIS BIO-TECHN CO[BIOSR]

PRIORITY-DATA: 1992SU-5029949 (February 28, 1992)

PATENT-FAMILY:

PUB-NO		PUB-DATE	LANGUAGE
PAGES	MAIN-IPC		
RU <u>2085586</u>	C1	July 27, 1997	N/A
005	C12N 015/48		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
RU 2085586C1	N/A	1992SU-5029949
February 28, 1992		

INT-CL (IPC): C12N015/48

ABSTRACTED-PUB-NO: RU 2085586C

BASIC-ABSTRACT:

Hybrid polypeptide 1106 capable of binding to antibodies of the gene
pol HIV-1
and beta -galactosidase of Escherichia coli, is new.

USE - The method, materials and producer strain can be used for, e.g.
diagnosis
of HIV.

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 D16 J04

CPI-CODES: B04-E02F; B04-E08; B04-N03; B12-K04; D05-H09; D05-H11;

Best Local Similarity 100.0%; Pred. No. 3.6e-23;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIONFRVYRDSRDP LMKGPALKLMKGEGAVVYIQNSDIK 40
DB 214 KIONFRVYRDSRDP LMKGPALKLMKGEGAVVYIQNSDIK 253

RESULT 2

AAW44832
ID AAW44832 standard; protein; 282 AA.

AC AAW44832;

DT 17-OCT-2003 (revised)
DT 04-AUG-1998 (first entry)

DE Hybrid HIV-1 pol/E. coli beta-galactosidase protein.

KW Hybrid; chimeric; fusion protein; HIV-1; pol; beta-galactosidase;
antibody; diagnostics.

OS Human immunodeficiency virus 1.
OS Escherichia coli.

OS Chimeric.

Key Location/Qualifiers

FT Misc-difference 5 /note= "encoded by NAC"

FT Misc-difference 36 /note= "encoded by GAA"

FT Misc-difference 157 /note= "encoded by GGA"

FT Misc-difference 178 /note= "encoded by CAC"

XX R02085586-C1.

PD 27-JUL-1997.

PF 28-FEB-1992; 92SU-05029949.

PR 28-FEB-1992; 92SU-05029949.

PA (BIO*) BIOGENE B10-TECHN CO.

PI Sukhanova LL, Alatorre-seva GI, Goltsov VA;

DR WPI; 1998-167215/15.

DR N-PSDB; AAV19300.

PT New hybrid polypeptide 1106 - used for determination of antibodies to HIV

PS Example 3; Col 8; 5pp; Russian.

This is the amino acid sequence of a hybrid protein designated H106 and generated by fusing part of the sequence encoding the human immunodeficiency virus type 1 (HIV-1) pol protein and part of the E. coli beta-galactosidase gene. The chimeric protein can be used for generating antibodies for the diagnosis of HIV-1. (Updated on 17-OCT-2003 to standardise OS field)

XX Sequence 282 AA;

Query Match 100.0%; Score 217; DB 2; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.6e-23;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIONFRVYRDSRDP LMKGPALKLMKGEGAVVYIQNSDIK 40
DB 214 KIONFRVYRDSRDP LMKGPALKLMKGEGAVVYIQNSDIK 253

RESULT 3

AAO21412
ID AAO21412 standard; protein; 288 AA.

AC AAO21412;

DT 29-AUG-2003 (revised)
DT 06-AUG-2002 (first entry)

DE Human immunodeficiency virus integrase protein #3.

KW Anti-HIV; human immunodeficiency virus; HIV; integrase; drug-resistant;
inhibitor.

OS Human immunodeficiency virus 1.

PN WO200238771-A1.

PD 16-MAY-2002.

PF 02-NOV-2001; 2001WO-JP009615.

PR 09-NOV-2000; 2000JP-00341393.

PA (SHIO) SHIONOGI & CO LTD.

PI Sato A, Yoshinaga T;

DR WPI; 2002-426951/45.

PT Drug-resistant human immunodeficiency virus integrase mutants for
development of drug-resistant HIV inhibitors and diagnostic probes and
primers.

PS Claim 4; Page 57-59; 107pp; Japanese.

The invention relates to human immunodeficiency virus (HIV) integrase
drug-resistant mutants having 64-Asp, 116-Asp and 152-Glu and one or more
mutations at positions 63, 66, 70, 72, 74, 92, 118, 121, 138, 140, 145,
146, 148, 151, 153, 155, 160, 249 and/or 250. The invention is useful for
the identification of inhibitors effective against the integrase of drug-
resistant strains of HIV, and development of probes and primers for the
detection of drug-resistant HIV strains. This sequence is a human
immunodeficiency virus (HIV) integrase related protein of the invention.
(Updated on 29-AUG-2003 to standardise OS field)

XX Sequence 288 AA;

Query Match 100.0%; Score 217; DB 5; Length 288;
Best Local Similarity 100.0%; Pred. No. 3.7e-23;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KIONFRVYRDSRDP LMKGPALKLMKGEGAVVYIQNSDIK 40
DB 219 KIONFRVYRDSRDP LMKGPALKLMKGEGAVVYIQNSDIK 258

RESULT 4

AAO21424
ID AAO21424 standard; protein; 288 AA.

AC AAO21424;

DT 29-AUG-2003 (revised)
DT 06-AUG-2002 (first entry)

DE Human immunodeficiency virus integrase protein #15.

KW Anti-HIV; human immunodeficiency virus; HIV; integrase; drug-resistant;
inhibitor.

OS Human immunodeficiency virus 1.